

**ABSTRACT**

**[0088]** A redundant power distribution system (74) that has multiple distribution lines (168) and (174) includes multiple regulators (122). Multiple isolation transformers (124) are coupled to the regulators (122) and have isolation boundaries (261). An R(M/N) device circuit (152) is coupled to the isolation transformers (124). The regulators (122) and the isolation transformers (124) have a non-feedback looped configuration (259) across the isolation boundaries (261).